

HVC190

Silicon Epitaxial Planar PIN Diode for High Frequency Attenuator

REJ03G0441-0100

(Previous: ADE-208-1595)

Rev.1.00 Dec 22, 2004

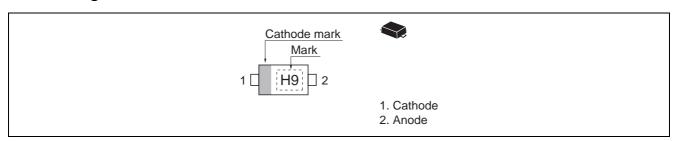
Features

- Low capacitance. (C = 0.35 pF max)
- Low forward resistance. (rf = $3.0 \Omega \text{ typ}$)
- Ultra small Flat Lead Package (UFP) is suitable for surface mount design.

Ordering Information

Type No.	Laser Mark	Package Code
HVC190	H9	UFP

Pin Arrangement



Absolute Maximum Ratings

 $(Ta = 25^{\circ}C)$

Item	Symbol	Value	Unit
Reverse voltage	V_R	50	V
Forward current	I _F	50	mA
Power dissipation	Pd	150	mW
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-55 to +125	°C

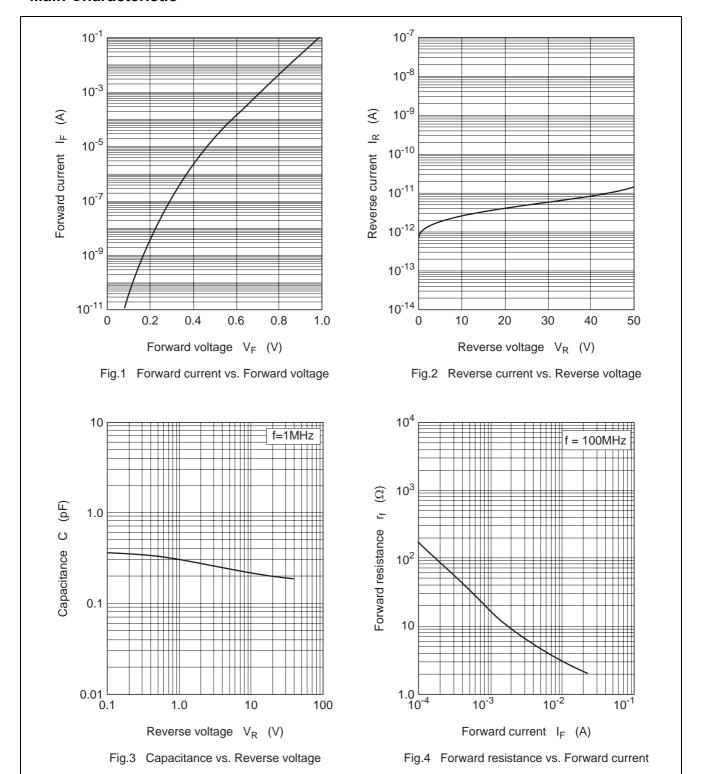
Electrical Characteristics

 $(Ta = 25^{\circ}C)$

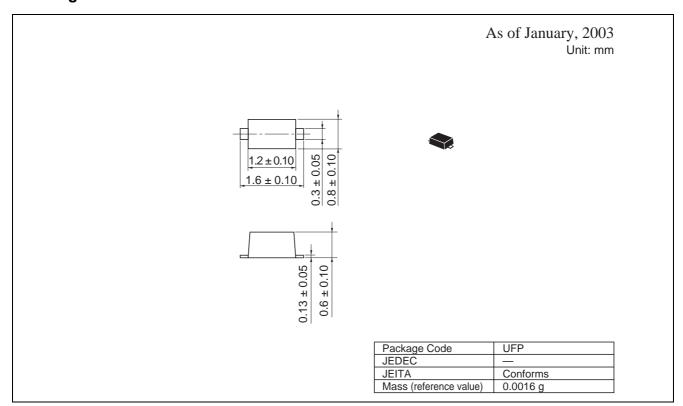
Item	Symbol	Min	Тур	Max	Unit	Test Condition
Forward voltage	V _F	_	_	1.0	V	I _F = 50 mA
Reverse current	I _R	_	_	100	nA	V _R = 50 V
Capacitance	С	_	_	0.35	pF	V _R = 50 V, f = 1 MHz
Forward resistance	r _f	_	3.0	5.0	Ω	I _F = 10 mA, f = 100 MHz
ESD-Capability *1	<u> </u>	200	_	_	V	C = 200 pF, Both forward and reverse
						direction 1 pulse

Note: 1. Failure criterion ; $I_R \ge 200$ nA at $V_R = 50$ V

Main Characteristic



Package Dimensions



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